Yun-Feng Xiao

List of Publications by Year
in descending order

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236 papers	10,993 citations	23567 58 h-index	34986 98 g-index

245 all docs	245 docs citations	245 times ranked	6809 citing authors

#	Article	IF	Citations
1	Single-molecule optofluidic microsensor with interface whispering gallery modes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	51
2	Vibrational Kerr Solitons in an Optomechanical Microresonator. Physical Review Letters, 2022, 128, 073901.	7.8	8
3	Hybrid plasmonic-photonic microcavity for enhanced light-matter interaction. Science Bulletin, 2022, 67, 1205-1208.	9.0	5
4	Soliton microwave oscillators using oversized billion Q optical microresonators. Optica, 2022, 9, 561.	9.3	24
5	Ground-state cooling of multiple near-degenerate mechanical modes. Physical Review A, 2022, 105, .	2.5	12
6	Nonlinear Sensing with Whispering-Gallery Mode Microcavities: From Label-Free Detection to Spectral Fingerprinting. Nano Letters, 2021, 21, 1566-1575.	9.1	28
7	Low-threshold laser from erbium-gain lithium niobate microcavity. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	2
8	What limits limits?. National Science Review, 2021, 8, nwaa210.	9.5	2
9	Laser particles with omnidirectional emission for cell tracking. Light: Science and Applications, 2021, 10, 23.	16.6	37
10	1/f-noise-free optical sensing with an integrated heterodyne interferometer. Nature Communications, 2021, 12, 1973.	12.8	33
11	Observation of a manifold in the chaotic phase space of an asymmetric optical microcavity. Photonics Research, 2021, 9, 364.	7.0	6
12	Synthesized soliton crystals. Nature Communications, 2021, 12, 3179.	12.8	77
13	Nonreciprocal phonon laser in a spinning microwave magnomechanical system. Physical Review A, 2021, 103, .	2.5	39
14	Single-mode characteristic of a supermode microcavity Raman laser. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
15	Operando monitoring transition dynamics of responsive polymer using optofluidic microcavities. Light: Science and Applications, 2021, 10, 128.	16.6	40
16	Special Issue on the 60th anniversary of the first laserâ€"Series I: Microcavity Photonicsâ€"from fundamentals to applications. Light: Science and Applications, 2021, 10, 141.	16.6	5
17	Microcavity Sensor Enhanced by Spontaneous Chiral Symmetry Breaking. Physical Review Applied, 2021, 16, .	3.8	3
18	Microcavity-enhanced surface nonlinear optics. , 2021, , .		0

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19	Regulated Photon Transport in Chaotic Microcavities by Tailoring Phase Space. Physical Review Letters, 2021, 127, 273902.	7.8	11
20	On-chip lithium niobate microresonators for photonics applications. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	11
21	Chip-to-chip quantum teleportation and multi-photon entanglement in silicon. Nature Physics, 2020, 16, 148-153.	16.7	163
22	Optical Forces: From Fundamental to Biological Applications. Advanced Materials, 2020, 32, e2001994.	21.0	107
23	Microdrop Concentrates Light Modes. Physics Magazine, 2020, 13, .	0.1	0
24	Reconfigurable Photon Sources Based on Quantum Plexcitonic Systems. Nano Letters, 2020, 20, 4645-4652.	9.1	16
25	Chaos-assisted two-octave-spanning microcombs. Nature Communications, 2020, 11, 2336.	12.8	67
26	Reconfigurable symmetry-broken laser in a symmetric microcavity. Nature Communications, 2020, 11, 1136.	12.8	35
27	Chiral emission and Purcell enhancement in a hybrid plasmonic-photonic microresonator. Light: Science and Applications, 2020, 9, 4.	16.6	8
28	Diabolical points in coupled active cavities with quantum emitters. Light: Science and Applications, 2020, 9, 6.	16.6	20
29	Listening to the sound of a bacterium. Nature Nanotechnology, 2020, 15, 420-421.	31.5	3
30	Real-time monitoring of hydrogel phase transition in an ultrahigh Q microbubble resonator. Photonics Research, 2020, 8, 497.	7.0	34
31	Opto-plasmonic microfluidic sensor for molecular detection. , 2020, , .		0
32	Single nanoparticle detection with CMOS-compatible heterodyne interferometry. , 2020, , .		0
33	Layered localization in a chaotic optical cavity. Physical Review E, 2020, 102, 062208.	2.1	3
34	Chaos-assisted two-octave-spanning microcombs. , 2020, , .		3
35	Ultra-high-Q Asymmetric Microcavity. , 2020, , 359-399.		0
36	Highâ€Q Polymer Microcavities Integrated on a Multicore Fiber Facet for Vapor Sensing. Advanced Optical Materials, 2019, 7, 1900602.	7.3	44

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37	Microcavity Nonlinear Optics with an Organically Functionalized Surface. Physical Review Letters, 2019, 123, 173902.	7.8	57
38	Regular-Orbit-Engineered Chaotic Photon Transport in Mixed Phase Space. Physical Review Letters, 2019, 123, 173903.	7.8	13
39	Microcavity-Enhanced Surface Nonlinear Optics. , 2019, , .		0
40	Symmetry-breaking-induced nonlinear optics at a microcavity surface. Nature Photonics, 2019, 13, 21-24.	31.4	173
41	Onâ€Chipâ€Integrated Methylammonium Halide Perovskite Optical Sensors. Advanced Optical Materials, 2019, 7, 1801308.	7.3	15
42	Synchronization and temporal nonreciprocity of optical microresonators via spontaneous symmetry breaking. Advanced Photonics, 2019, 1, 1.	11.8	11
43	Noise suppression of mechanical oscillations in a microcavity for ultrasensitive detection. Optics Letters, 2019, 44, 2426.	3.3	6
44	Chaos-assisted cross-band microcombs. , 2019, , .		0
45	Manifold-enhanced photon transportation in a chaotic microresonator. , 2019, , .		0
46	Regular-orbit engineered momentum transformation in the mixed phase space of an asymmetric microcavity. , 2019, , .		0
47	Onâ€Chip Spiral Waveguides for Ultrasensitive and Rapid Detection of Nanoscale Objects. Advanced Materials, 2018, 30, e1800262.	21.0	49
48	Strong Excitonâ€“Photon Coupling and Lasing Behavior in All-Inorganic CsPbBr₃ Micro/Nanowire Fabry-PÃ©rot Cavity. ACS Photonics, 2018, 5, 2051-2059.	6.6	145
49	A Tunable Optofluidic Microlaser in a Photostable Conjugated Polymer. Advanced Materials, 2018, 30, e1804556.	21.0	44
50	Wave-scattering method for waveguideâ€“microcavity coupling. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 811.	2.1	3
51	Simultaneous cooling of coupled mechanical resonators in cavity optomechanics. Physical Review A, 2018, 98, .	2.5	71
52	Optically sizing single atmospheric particulates with a 10-nm resolution using a strong evanescent field. Light: Science and Applications, 2018, 7, 18003-18003.	16.6	67
53	Nanoparticle sensing beyond evanescent field interaction with a quasi-droplet microcavity. Optica, 2018, 5, 674.	9.3	67
54	Single nanoparticle trapping based on on-chip nanoslotted nanobeam cavities. Photonics Research, 2018, 6, 99.	7.0	34

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55	High-Q chaotic lithium niobate microdisk cavity. Optics Letters, 2018, 43, 2917.	3.3	46
56	Sensors: Onâ€Chip Spiral Waveguides for Ultrasensitive and Rapid Detection of Nanoscale Objects (Adv.) Tj ETQq0 0 0 rgBT /Overlock 1	21.0	0
57	Spontaneous T-symmetry breaking and exceptional points in cavity quantum electrodynamics systems. Science Bulletin, 2018, 63, 1096-1100.	9.0	22
58	Mode splitting induced by an arbitrarily shaped Rayleigh scatterer in a whispering-gallery microcavity. Physical Review A, 2018, 97, .	2.5	16
59	Quantum plasmonics: new opportunity in fundamental and applied photonics. Advances in Optics and Photonics, 2018, 10, 703.	25.5	105
60	Sizing particulates with nanofiber sensors. , 2018, , .		0
61	Ultrasensitive colocalization detection based on plasmonic nanolithography with molecular-overlapped optical near-fields. , 2018, , .		0
62	Quantum plasmonics: new opportunity in fundamental and applied photonics: publisherâ€™s note. Advances in Optics and Photonics, 2018, 10, 939.	25.5	1
63	Single Nanoparticle Detection Using Optical Microcavities. Advanced Materials, 2017, 29, 1604920.	21.0	257
64	Experimental Demonstration of Spontaneous Chirality in a Nonlinear Microresonator. Physical Review Letters, 2017, 118, 033901.	7.8	149
65	Chipâ€Scale Mass Manufacturable Highâ€Q Silicon Microdisks. Advanced Materials Technologies, 2017, 2, 1600299.	5.8	11
66	Molecular overlap with optical near-fields based on plasmonic nanolithography for ultrasensitive label-free detection by light-matter colocalization. Biosensors and Bioelectronics, 2017, 96, 89-98.	10.1	20
67	Electromagnetically induced transparency in optical microcavities. Nanophotonics, 2017, 6, 789-811.	6.0	162
68	Chaos-assisted broadband momentum transformation in optical microresonators. Science, 2017, 358, 344-347.	12.6	239
69	Rayleigh scattering in an emitter-nanofiber-coupling system. Physical Review A, 2017, 95, .	2.5	1
70	Counting statistics of chaotic resonances at optical frequencies: Theory and experiments. Physical Review E, 2017, 96, 012217.	2.1	3
71	Enhancing Coherent Light-Matter Interactions through Microcavity-Engineered Plasmonic Resonances. Physical Review Letters, 2017, 119, 233901.	7.8	112
72	Far-field single nanoparticle detection and sizing. Optica, 2017, 4, 1151.	9.3	55

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73	Whispering gallery mode structure in polymer-coated lasing microspheres. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2140.	2.1	10
74	Highly Sensitive Sensing with High-Q Whispering Gallery Microcavities. , 2017, , 147-176.		0
75	Size spectrometry of environmental particulate matter using a nanofiber array. , 2017, , .		3
76	Free-space coupling efficiency in a high-Q deformed optical microcavity. Optics Letters, 2016, 41, 4437.	3.3	16
77	A Microfluidic-Based Fabry-PÃ©rot Gas Sensor. Micromachines, 2016, 7, 36.	2.9	9
78	Visible-Frequency Dielectric Metasurfaces for Multiwavelength Achromatic and Highly Dispersive Holograms. Nano Letters, 2016, 16, 5235-5240.	9.1	435
79	Wideâ€Field Optical Microscopy of Microwave Fields Using Nitrogenâ€Vacancy Centers in Diamonds. Advanced Optical Materials, 2016, 4, 1075-1080.	7.3	34
80	Optical microcavity sensing: From reactive to dissipative interactions. , 2016, , .		0
81	Polarization-independent and high-efficiency dielectric metasurfaces for visible light. Optics Express, 2016, 24, 16309.	3.4	80
82	Superâ€resolution deep imaging with hollow Bessel beam STED microscopy. Laser and Photonics Reviews, 2016, 10, 147-152.	8.7	151
83	Whisperingâ€gallery microcavities with unidirectional laser emission. Laser and Photonics Reviews, 2016, 10, 40-61.	8.7	190
84	Light confinement in a low-refraction-index microcavity bonded on a silicon substrate. Optica, 2016, 3, 937.	9.3	10
85	Experimental realization of optomechanically induced non-reciprocity. Nature Photonics, 2016, 10, 657-661.	31.4	414
86	Nonclassical non-Gaussian state of a mechanical resonator via selectively incoherent damping in a three-mode optomechanical system. Physical Review A, 2016, 93, .	2.5	3
87	Detection of Single Nanoparticles Using the Dissipative Interaction in a High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Microcavity. Physical Review Applied, 2016, 5, .	3.8	77
88	Statistics of chaotic resonances in an optical microcavity. Physical Review E, 2016, 93, 040201.	2.1	21
89	Optical microcavity sensing: From dispersive to dissipative interactions. , 2016, , .		0
90	Measuring the Charge of a Single Dielectric Nanoparticle Using a High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Optical Microresonator. Physical Review Applied, 2016, 6, .	3.8	27

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91	Compensation of the Kerr effect for transient optomechanically induced transparency in a silica microsphere. Optics Letters, 2016, 41, 1249.	3.3	31
92	Optical microcavity: from fundamental physics to functional photonics devices. Science Bulletin, 2016, 61, 185-186.	9.0	58
93	Microcavity Raman lasing and sensing application. , 2016, , .		0
94	Measurement of free-space coupling efficiency in a deformed microcavity using stimulated Raman scattering. , 2016, , .		0
95	Whispering-gallery-type Sensor for Single Nanoparticle Detection Using the Dissipative Interaction. , 2016, , .		0
96	Hybrid Quantum Device Based on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mi>V</mml:mi></mml:math>Centers in Diamond Nanomechanical Resonators Plus Superconducting Waveguide Cavities. Physical Review Applied, 2015, 4, .	3.8	71
97	Cooling of macroscopic mechanical resonators in hybrid atom-optomechanical systems. Physical Review A, 2015, 92, .	2.5	78
98	Direct observation of a resolvable spin separation in the spin Hall effect of light at an air-glass interface. Applied Physics Letters, 2015, 107, 111105.	3.3	21
99	Ultrahigh-Q asymmetric microcavity photonics on a silicon chip. , 2015, , .		0
100	Optomechanically-induced-transparency cooling of massive mechanical resonators to the quantum ground state. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-6.	5.1	20
101	Cooling mechanical resonators to the quantum ground state from room temperature. Physical Review A, 2015, 91, .	2.5	24
102	Raman-lasing dynamics in split-mode microresonators. Physical Review A, 2015, 91, .	2.5	8
103	Controlling Youngâ€™s modulus of polymerized structures fabricated by direct laser writing. Applied Physics A: Materials Science and Processing, 2015, 118, 437-441.	2.3	8
104	Coupled cavities for motional ground-state cooling and strong optomechanical coupling. Physical Review A, 2015, 91, .	2.5	91
105	Enhanced Raman scattering of single nanoparticles in a high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Q</mml:mi></mml:math>whispering-gallery microresonator. Physical Review A, 2015, 91, .	2.5	17
106	Single-Band 2-nm-Line-Width Plasmon Resonance in a Strongly Coupled Au Nanorod. Nano Letters, 2015, 15, 7581-7586.	9.1	61
107	Macroscopic mechanical systems are entering the quantum world. National Science Review, 2015, 2, 9-10.	9.5	5
108	Variable Optical Delay Line Using Discrete Harmonic Oscillation in Waveguide Lattices. Journal of Lightwave Technology, 2015, 33, 5095-5102.	4.6	1

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109	Spin separations in the spin Hall effect of light. Physical Review A, 2015, 92, .	2.5	21
110	Surface enhanced anti-Stokes one-photon luminescence from single gold nanorods. Nanoscale, 2015, 7, 577-582.	5.6	37
111	Mode broadening induced by nanoparticles in an optical whispering-gallery microcavity. Physical Review A, 2014, 90, .	2.5	55
112	MHz-level self-sustained pulsation in polymer microspheres on a chip. AIP Advances, 2014, 4, .	1.3	12
113	Optimal limits of cavity optomechanical cooling in the strong-coupling regime. Physical Review A, 2014, 89, .	2.5	38
114	Coherent Polariton Dynamics in Coupled Highly Dissipative Cavities. Physical Review Letters, 2014, 112, .	7.8	70
115	Single Nanoparticle Detection and Sizing Using a Nanofiber Pair in an Aqueous Environment. Advanced Materials, 2014, 26, 7462-7467.	21.0	69
116	Single nanoparticle detection using split-mode microcavity Raman lasers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14657-14662.	7.1	243
117	Measuring spin Hall effect of light by cross-polarization intensity ratio. Optics Letters, 2014, 39, 3425.	3.3	11
118	Two-photon polymerization of a three dimensional structure using beams with orbital angular momentum. Applied Physics Letters, 2014, 105, .	3.3	45
119	Ultrahigh-Q microcavities with highly directional emission. , 2014, , .		0
120	Vacuum Rabi oscillation in coupled highly-dissipative cavity quantum electrodynamics. , 2014, , .		1
121	Highly Sensitive Sensing with High-Q Whispering Gallery Microcavities. , 2014, , 1-26.		0
122	Optimal laser cooling limits in the strong coupled cavity optomechanics. , 2014, , .		0
123	Dissipative optomechanical coupling between a single-wall carbon nanotube and a high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>microcavity. Physical Review A, 2013, 88, .	2.5	20
124	Impact of in-plane spread of wave vectors on spin Hall effect of light around Brewster's angle. Applied Physics Letters, 2013, 103, .	3.3	30
125	Dynamical tunneling-assisted coupling of high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>deformed microcavities using a free-space beam. Physical Review A, 2013, 88, .	2.5	30
126	Detection of Single Nanoparticles and Lentiviruses Using Microcavity Resonance Broadening. Advanced Materials, 2013, 25, 5616-5620.	21.0	266

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127	Parametric Down-Conversion and Polariton Pair Generation in Optomechanical Systems. Physical Review Letters, 2013, 111, 083601.	7.8	69
128	Free-space coupled, ultralow-threshold Raman lasing from a silica microcavity. Applied Physics Letters, 2013, 103, .	3.3	40
129	Optomechanical sensing with on-chip microcavities. Frontiers of Physics, 2013, 8, 475-490.	5.0	68
130	On-chip ultrahigh-Q microcavities for highly unidirectional emission. , 2013, , .		0
131	Spin separations of light at the airâ€“glass interface for femtosecond laser pulses. Journal of Optics (United Kingdom), 2013, 15, 014006.	2.2	0
132	Photon-photon interactions in a largely detuned optomechanical cavity. Physical Review A, 2013, 88, .	2.5	38
133	Ultrahigh-Q, largely deformed microcavities coupled by a free-space laser beam. Applied Physics Letters, 2013, 103, .	3.3	17
134	Chaos-assisted unidirectional lasing emission from an ultrahigh-Q whispering gallery microcavity. , 2013, , .		0
135	A hybrid photonic-plasmonic cavity design for optical force enhancement. , 2013, , .		0
136	Hybrid photonicâ€“plasmonic mode for refractometer and nanoparticle trapping. Optics Communications, 2013, 291, 380-385.	2.1	26
137	Single-photon transport and mechanical NOON-state generation in microcavity optomechanics. Physical Review A, 2013, 87, .	2.5	32
138	Tunnelingâ€induced transparency in a chaotic microcavity. Laser and Photonics Reviews, 2013, 7, L51.	8.7	46
139	Review of cavity optomechanical cooling. Chinese Physics B, 2013, 22, 114213.	1.4	104
140	Controlling deformation in a high quality factor silica microsphere toward single directional emission. Applied Optics, 2013, 52, 298.	1.8	9
141	Low-threshold Raman laser from an on-chip, high-Q, polymer-coated microcavity. Optics Letters, 2013, 38, 1802.	3.3	38
142	Temperature-insensitive detection of low-concentration nanoparticles using a functionalized high-Q microcavity. Applied Optics, 2013, 52, 155.	1.8	13
143	Dynamic Dissipative Cooling of a Mechanical Resonator in Strong Coupling Optomechanics. Physical Review Letters, 2013, 110, 153606.	7.8	203
144	Spin displacements of a Gaussian beam at an airâ€“multilayer-film interface. Physical Review A, 2013, 88, .	2.5	24

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145	High-Q asymmetric polymer microcavities directly fabricated by two-photon polymerization. Applied Physics Letters, 2013, 102, 221108.	3.3	29
146	Nanoparticles: Detection of Single Nanoparticles and Lentiviruses Using Microcavity Resonance Broadening (Adv. Mater. 39/2013). Advanced Materials, 2013, 25, 5615-5615.	21.0	3
147	Direct Writing of Photonic Structures by Two-Photon Polymerization. MATEC Web of Conferences, 2013, 8, 06002.	0.2	0
148	Ground state cooling of mechanical motion through coupled cavity interactions in the unresolved sideband regime. , 2013, , .		2
149	Chaos-assisted whispering-gallery-mode excitation using a sub-wavelength optical fiber. , 2013, , .		0
150	Ultralow-threshold cavity Raman laser via free-space excitation. , 2013, , .		0
151	Label-free Detection of Single Nanoparticles and Lentiviruses Using an Optical Microcavity. , 2013, , .		0
152	Detection of mode splitting with microcavity Raman laser. , 2013, , .		0
153	Fano resonance in whispering gallery photonic microcavities. Proceedings of SPIE, 2012, , .	0.8	3
154	Mode-splitting-based optical label-free biosensing with a biorecognition-covered microcavity. Journal of Applied Physics, 2012, 111, 114702.	2.5	15
155	Spin Hall effect of light reflected from a magnetic thin film. Applied Physics Letters, 2012, 101, .	3.3	36
156	Coupling of diamond nanocrystals to a high-Qwhispering-gallery microresonator. Physical Review A, 2012, 86, .	2.5	19
157	Cavity-QED treatment of scattering-induced free-space excitation and collection in high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>whispering-gallery microcavities. Physical Review A, 2012, 85, .	2.5	30
158	Highly Unidirectional Emission and Ultralowâ€Threshold Lasing from Onâ€Chip Ultrahighâ€Q Microcavities. Advanced Materials, 2012, 24, OP260-4, OP185.	21.0	112
159	Microcavities: Highly Unidirectional Emission and Ultralowâ€Threshold Lasing from Onâ€Chip Ultrahighâ€Q Microcavities (Adv. Mater. 35/2012). Advanced Materials, 2012, 24, OP185.	21.0	1
160	Movable Fiber-Integrated Hybrid Plasmonic Waveguide on Metal Film. IEEE Photonics Technology Letters, 2012, 24, 434-436.	2.5	23
161	Sensitivity enhancement and detection-limit improvement in whispering-gallery-mode-based biosensing. , 2012, , .		0
162	Strongly enhanced light-matter interaction in a hybrid photonic-plasmonic resonator. Physical Review A, 2012, 85, .	2.5	145

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163	Experimental controlling of Fano resonance in indirectly coupled whispering-gallery microresonators. Applied Physics Letters, 2012, 100, .	3.3	112
164	Proposal for a near-field optomechanical system with enhanced linear and quadratic coupling. Physical Review A, 2012, 85, .	2.5	30
165	A composite cavity QED system deepening the strong coupling regime. , 2012, , .		0
166	Multiple-Rayleigh-scatterer-induced mode splitting in a high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Q</mml:mi></mml:mrow></mml:math>whispering-gallery-mode microresonator. Physical Review A, 2011, 83, .	2.5	83
167	Observation of the in-plane spin separation of light. Optics Express, 2011, 19, 9636.	3.4	81
168	Broadband Enhancement of Light Harvesting in a Luminescent Solar Concentrator. IEEE Journal of Quantum Electronics, 2011, 47, 1171-1176.	1.9	5
169	Dependence of femtosecond time-resolved magneto-optical Kerr rotation on the direction of polarization of the probe beam. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1411-1415.	5.1	0
170	High-sensitivity temperature sensing by employing an on-chip high-Q PDMS-coated toroidal microcavity. , 2011, , .		0
171	Coupling of a single diamond nanocrystal to a whispering-gallery microcavity: Photon transport benefitting from Rayleigh scattering. Physical Review A, 2011, 84, .	2.5	48
172	Mechanism of directional emission from a peanut-shaped microcavity. Physical Review A, 2011, 83, .	2.5	7
173	Publisher's Note: Asymmetric Fano resonance analysis in indirectly coupled microresonators [Phys. Rev. A82, 065804 (2010)]. Physical Review A, 2011, 83, .	2.5	4
174	Position-insensitive photon turnstiles in a diamond nanocrystal — Microcavity system. , 2011, , .		0
175	Experimental observation of Fano resonance in a single whispering-gallery microresonator. Applied Physics Letters, 2011, 98, .	3.3	115
176	Experimental observation of Fano resonance in a single whispering-gallery microresonator. , 2011, , .		4
177	A high-Q exterior plasmonic whispering gallery mode in a metal-coated microresonator. , 2011, , .		0
178	An enhanced biosensing model in coupled optical microresonators. Proceedings of SPIE, 2010, , .	0.8	0
179	On-chip single nanoparticle detection using ultra-high-Q whispering gallery microresonator. , 2010, , .		0
180	Asymmetric Fano resonance analysis in indirectly coupled microresonators. Physical Review A, 2010, 82, .	2.5	122

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181	Asymmetric resonant cavities and their applications in optics and photonics: a review. Frontiers of Optoelectronics in China, 2010, 3, 109-124.	0.2	26
182	Gain-Induced Evolution of Mode Splitting Spectra in a High-Q Active Microresonator. IEEE Journal of Quantum Electronics, 2010, 46, 1626-1633.	1.9	32
183	On-chip single nanoparticle detection and sizing by mode splitting in an ultrahigh-Q microresonator. Nature Photonics, 2010, 4, 46-49.	31.4	987
184	High quality factor, small mode volume, ring-type plasmonic microresonator on a silver chip. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 035402.	1.5	54
185	On chip, high-sensitivity thermal sensor based on high-Q polydimethylsiloxane-coated microresonator. Applied Physics Letters, 2010, 96, .	3.3	120
186	Quantum electrodynamics in a whispering-gallery microcavity coated with a polymer nanolayer. Physical Review A, 2010, 81, .	2.5	15
187	Direct laser writing of whispering gallery microcavities by two-photon polymerization. Applied Physics Letters, 2010, 97, .	3.3	68
188	Polarization-dependent detection of cylinder nanoparticles with mode splitting in a high-Q whispering-gallery microresonator. Applied Physics Letters, 2010, 97, .	3.3	25
189	High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Exterior Whispering-Gallery Modes in a Metal-Coated Microresonator. Physical Review Letters, 2010, 105, 153902.	7.8	161
190	Plasmon modes of silver nanowire on a silica substrate. Applied Physics Letters, 2010, 97, .	3.3	85
191	Spin Hall effect of reflected light at the air-uniaxial crystal interface. Optics Express, 2010, 18, 16832.	3.4	65
192	High-Q nanoring surface plasmon microresonator. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2495.	2.1	19
193	Detection and sizing of single nanoparticles by mode splitting in an optical microresonator. , 2010, , .		0
194	Fabrication of high-Q polydimethylsiloxane optical microspheres for thermal sensing. Applied Physics Letters, 2009, 94, .	3.3	242
195	Observation of EIT-like effect in a single high-Q microcavity. , 2009, , .		0
196	Modified transmission spectrum induced by two-mode interference in a single silica microsphere. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 215401.	1.5	57
197	Low-threshold microlaser in a high-Q asymmetrical microcavity. Optics Letters, 2009, 34, 509.	3.3	47
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